

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050454

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04J3/06 H04L7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04L H04B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/49275 A (IP.ACCESS LTD; PIERCY, NEIL, PHILIP; JOHNSON, NICHOLAS, DOUGALL) 20 June 2002 (2002-06-20) abstract; claims 1-4,10-14,20; figures 1-3 page 1, line 1 - line 4 page 3, line 26 - page 4, line 8 page 4, line 20 - page 5, line 20	1-22
X	EP 0 560 237 A (ALCATEL SEL AKTIENGESELLSCHAFT; ALCATEL) 15 September 1993 (1993-09-15) abstract; claims 1-3; figures 1-3 column 1, line 43 - line 58 column 2, line 35 - line 56 ----- -/--	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

17 March 2005

Date of mailing of the international search report

29/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Wolters, R

INTERNATIONAL SEARCH REPORT

JAP11 Rec'd PCT/PTO 04 AUG 2006

/IB2005/050454

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/64099 A (INVENSYS PLC; KEYGHOBAD, SEYAMAK; BAKER, WILLIAM; THIBAUT, RICHARD) 26 October 2000 (2000-10-26) abstract; claims 1-3,8,9,18,19,21-23; figures 1-7,11-14 page 2, line 14 - page 3, line 31 -----	1-22
A	US 2002/187749 A1 (BEASLEY JAMES ET AL) 12 December 2002 (2002-12-12) abstract; figures 3,16,18-20 paragraphs '0212! - '0218! -----	1-22
A	WO 01/22659 A (DIGITAL HARMONY TECHNOLOGIES, INC) 29 March 2001 (2001-03-29) abstract; claims 1,2; figures 4-18 -----	1-22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IB2005/050454

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0249275	A	20-06-2002	AU 2217602 A WO 0249275 A2 GB 2370202 A US 2004042499 A1	24-06-2002 20-06-2002 19-06-2002 04-03-2004
EP 0560237	A	15-09-1993	DE 4207986 A1 AT 172826 T DE 59309091 D1 EP 0560237 A2 ES 2125922 T3	16-09-1993 15-11-1998 03-12-1998 15-09-1993 16-03-1999
WO 0064099	A	26-10-2000	US 6640308 B1 AU 4241300 A EP 1171975 A2 WO 0064099 A2	28-10-2003 02-11-2000 16-01-2002 26-10-2000
US 2002187749	A1	12-12-2002	US 2002167965 A1 US 2002177460 A1 EP 1391100 A1 WO 02058334 A2 WO 02103988 A1 WO 02058335 A2	14-11-2002 28-11-2002 25-02-2004 25-07-2002 27-12-2002 25-07-2002
WO 0122659	A	29-03-2001	AU 7614200 A JP 2003524947 T WO 0122659 A2	24-04-2001 19-08-2003 29-03-2001